



23172

# Electronic Filing System (EFS) Data

## Electronic Patent Application Submission

### USPTO Use Only

EFS ID: 24405  
Application ID: 09972019  
Title of Invention: Low Offset and Low Glitch Energy  
Charge Pump for PLL-Based  
Timing Recovery Systems  
First Named Inventor: Myles Wakayama  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2001-10-05  
Effective Receipt Date: 2003-03-13  
Submission Type: Information Disclosure Statement  
Filing Type: null  
Confirmation Number: 3152  
Attorney Docket Number: 18752070002  
Digital Certificate Holder: cn=Jason Daniel Eisenberg, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US  
Certificate Message Digest: GWXQ6maZM62GoucPL9nW8Q==  
Total Fees Authorized: \$180.0

Payment Category: CC - Credit Card  
Credit Card Number: \*\*\*\*1001  
Expiration Date: 06302004  
Card Holder Name: SKGF P.L.L.C.  
RAM User ID: EFSPROD  
RAM Accounting Date: 2003-03-13  
RAM Sequence Number: 642677  
RAM Payment Status: RAM success  
Postal Code: 20005



# TRANSMITTAL FORM

Electronic Version 1.0.3

Application Number: 09/972,019

Stylesheet Version: 1.0

Attorney Docket Number: 18752070002

Submission Type: Information  
Disclosure Statement

## Low Offset and Low Glitch Energy Charge Pump for PLL-Based Timing Recovery Systems

First Named Inventor: Myles H. Wakayama

SUBMITTED BY

Name:

Jason D. Eisenberg

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43,447

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Date Signed: 20030312

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Attached Files:

fee-transmittal

IDS18752070002fee.xml

us-information-disclosure-statement

IDS18752070002ids.xml

Comments:



# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 180**

## BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 1001  
Expiration Date: 20040630  
Authorized Name: SKGF P.L.L.C.  
Billing Address: 20005

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Submission Of Information Disclosure Stmt Fee		1	1806	\$ 180	\$ 180

Subtotal For Additional Fees: \$ 180